(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 February 2002 (21.02.2002)

PCT

(10) International Publication Number
WO 02/14537 A3

(51) International Patent Classification[7]: A61K 31/195, G01N 33/00, A61K 38/22

(21) International Application Number: PCT/US01/25343

(22) International Filing Date: 14 August 2001 (14.08.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/224,991 14 August 2000 (14.08.2000) US

(71) Applicant and
(72) Inventor: FALLON, Joan, M. [US/US]; 1234 Central Avenue, Suite 1B, Yonkers, NY 10704 (US).

(74) Agents: DEROSA, Frank, V. et al.; F. Chau & Associates, LLP, 1900 Hempstead Turnpike, Suite 501, East Meadow, NY 11554 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
10 May 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 02/14537 A3

(54) Title: METHODS FOR DIAGNOSING AND TREATING DYSAUTONOMIA AND OTHER DYSAUTONOMIC CONDITIONS

(57) Abstract: Methods for aiding in the diagnosis of dysautonomic disorders and dysautonomic conditions and methods for treating individuals diagnosed as having a dysautonomic disorder or a dysautonomic condition. In one aspect, a diagnosis method comprising analyzing a stool sample of an individual for the presence of a biological marker wherein the quantity of the biological marker is an indication of whether the individual has, or can develop, a dysuatonic disorder or dysautonomic condition, as well as a therapeutic method for treating a dysautonomic disorder or dysautonomic condition by administration of, e.g., secretin, neuropeptides, peptides and/or digestive enzymes.

INTERNATIONAL SEARCH REPORT

Inter nal Application No
PCT/US 01/25343

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/195 G01N33/00 A61K38/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ, BIOSIS, CHEM ABS Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	AXELROD, FELICIA: "Grant Reciept awards March - May 2000. Secretin treatment for gastrointestinal dysmobility in patients with familial dysautonomia" INTERNET: NEY YORK UNIVERSITY OF MEDICINE, 'Online! XP002191208 Retrieved from the Internet: <URL:mcrcr4.med.nyu.edu/ogars/awards/awards_2000/page2.html> 'retrieved on 2002-02-25! the whole document ---	1
A	US 5 958 875 A (MANTHORPE MARSTON ET AL) 28 September 1999 (1999-09-28) column 10, line 11 - line 23; claims 1-14 ---	
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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
25 February 2002	11/03/2002

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Stienon, P

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Form PCT/ISA/210 (second sheet) (July 1992)

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
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A	US 5 648 335 A (LEWIS MICHAEL E ET AL) 15 July 1997 (1997-07-15) column 8, line 38 - line 51; claims 1-3	
A	WO 95 22344 A (BRAUN PETER ERICH ;MCKERRACHER LISA JOAN (CA); UNIV MCGILL (CA); D) 24 August 1995 (1995-08-24) claims 1-13	
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A	US 6 020 314 A (MCMICHAEL JOHN) 1 February 2000 (2000-02-01) abstract	
A	WO 99 64059 A (REPLIGEN CORP) 16 December 1999 (1999-12-16) abstract	

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claims 1-57 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the secretin compound/composition.

Continuation of Box I.1

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

INTERNATIONAL SEARCH REPORT

Information on patent family members

Interr ›nal Application No
PCT/US 01/25343

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